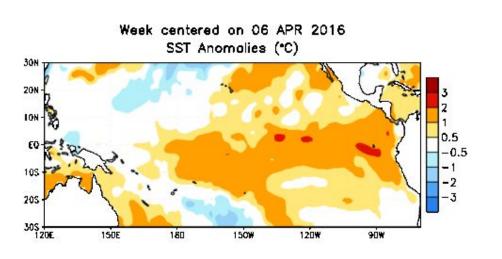
ENSO in the Pacific: Reaching the Last Mile



El Niño has Significant Impacts for Pacific Islands

- Extreme eastward shift in tropical cyclone genesis and development across Micronesia
- Increase in tropical cyclone activity around Hawaii
- Increased threat of tropical cyclone activity near American Samoa
- Severe drought and increased threat of wildfires
- Large surf causes saltwater intrusion along the coast leading to crop losses
- Please see poster from WFO Guam

Not even a speck on the map...

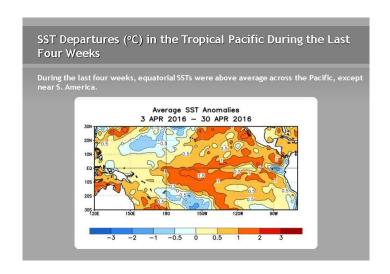


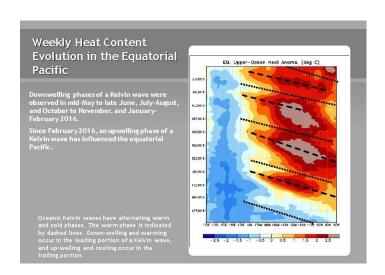


8,635 miles

Approximate distance between NCWCP and WSO Koror (Palau)

CPC - Pacific Islands





- Pacific Islands

- Establised in 1994 as a multi-institutional partnership to conduct research and produce information products on climate variability as it impacts US Affiliated Pacific Islands
- Strong relationships between NOAA, the University of Guam, and the University of Hawaii





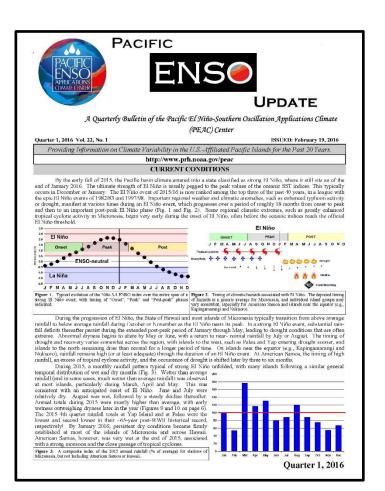


UH/SOEST

CPC - Pacific Islands

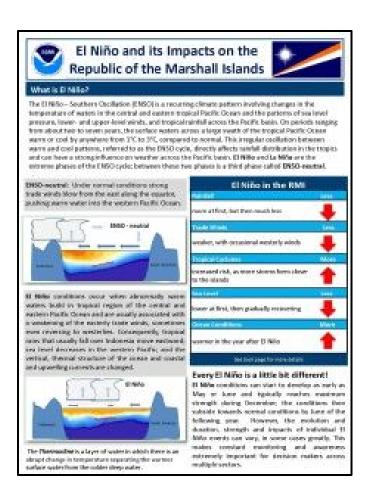
- Fall of 2014 In response to increasing signs of a strong El Niño, PEAC and NOAA Pacific Region formed the El Niño Tiger Team to start outreach and awareness effort.
- First briefing held in August 2014 in the Inouye Regional Center for NOAA Pacific Region and DoD Pacific Command (PACOM) staff
- 5 subsequent briefings held, most recently May 9, 2016.

Pacific Islands



- Summary of current conditions
 - Rainfall
 - Tropical cyclone activity
 - Sea-level
 - Southern Oscillation Index
 - Sea surface temps
- Local and downscaled outlooks
 - Rainfall
 - Sea-level anomalies
- Anticipated Impacts

Pacific Islands



- Developed plain language "One-Pagers" for 7 island groups
 - What is El Niño
 - Specific Impacts
 - Preparedness
- Wide distribution
 - Utilized strength and reach of NOAA Pacific Islands Regional Collaboration team



Pacific Islands

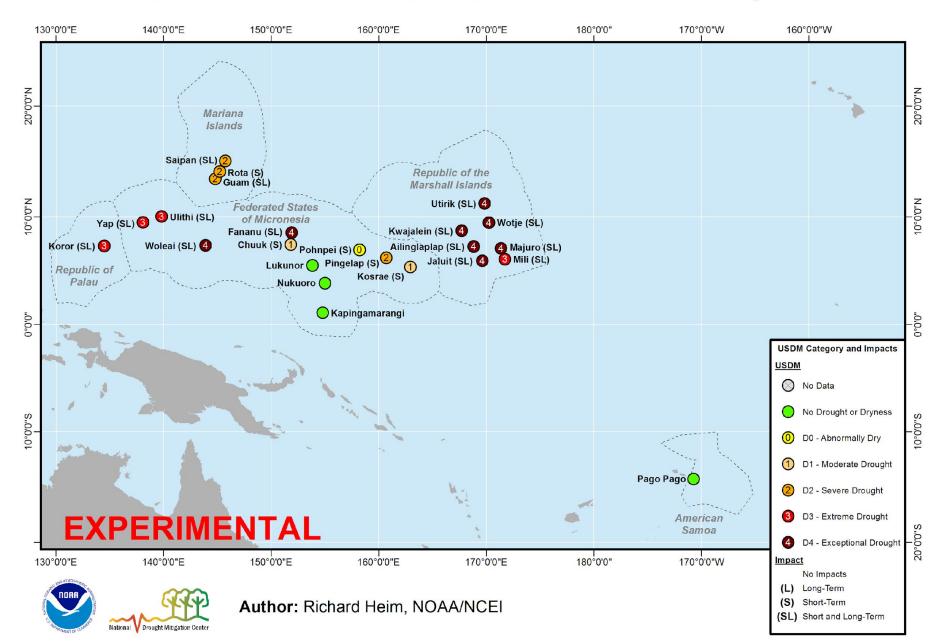
- PEAC, NWS Pacific Region, and WFO Guam staff conducted workshops to increase awareness
 - Hawaii, Guam, Saipan,
 - Republic of Palau
 - Federated States of Micronesia
 - Republic of the Marshall Islands
 - American Samoa
- Local NWS offices carried the message to the last mile

Typhoon Soudelor

- August 2, 2015: Typhoon Soudelor makes a direct pass over the island of Saipan as a category 3 typhoon. Max winds are estimated at 110 G 130 knots at landfall. Damage assessment suggests possibility of terrain induced winds in excess of 150 knots.
- Despite island wide devastation, island-wide power outage, and significant loss of houses and structures, residents took necessary precautions, took appropriate shelter, and there were no lives lost

U.S. Affiliated Pacific Islands

May 3, 2016



So the next time you look at an SST chart...

700m in and coa the Countries

Zoom in and see the Islands

Zoom in and see the offices





Zoom in and see the people





Zoom in and see the Last Mile...